REMARKS

Applicant has amended claim 1 in response to the 35 U.S.C. §112 rejection and is

traversing the other rejections. Applicant believes that no new matter has been added by the

above amendments.

35 U.S.C §101 Rejection

The Examiner rejected claim 1 as directed to non-statutory subject matter and claims 2-8

for depending from rejected claim 1. The Examiner asserted that: "The instant claimed

invention covers the judicial exception (abstract idea or mathematical algorithm)."

Applicant point out that method claims may use mathematical algorithm and

relationships, but may not simply be a mathematical algorithm. Applicant in claim one, claims a

process for correlating incoming signals. The element of mathematical processes is used in the

claims, but it is not without definition and the claims are not for abstract ideas or mathematical

algorithms. Claim one recites:

> A method for reducing the number of calculations required to correlate an
> incoming spread spectrum signal encoded with a pseudorandom code,
> comprising:
>   determining, for the spread spectrum signal, mathematical processes that
> are repeated in a correlation process;
>   removing at least a portion of the mathematical processes that are repeated
> in the correlation process;
>   storing the remaining mathematical processes in a table;
>   using the table during the correlation process to determine when a locally
> generated pseudorandom code and the incoming pseudorandom code are
> correlated.

Thus, mathematical processes that are used multiple time in determining correlation are

identified, and removed with a table being used in place of the repeated mathematical processes.

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Thus, the mathematical processes are not being claimed in the abstract, rather repeated

mathematical processes used in correlation of the signals are claimed as being determined or

identified. Therefore, statutory subject matter is present in claim 1 and claim 1 is in condition

for allowance. Further, claims 2-8 that depend from claim 1 are also in condition for allowance.

35 U.S.C. §112 Rejections

The Examiner rejected claim 1 and 9-16 under 35 U.S.C. §112, second paragraph. With

regards to claim 1, the Applicant has amended claim one and the rejection is now moot. With

regards to claims 9-16, the Examiner asserted that the claims fail to set forth subject matter

which Applicant regards as their invention. In claim 9, the Applicant claims:

> A spread spectrum receiver, comprising:
> means for determining, for an expected incoming spread spectrum signal,
> mathematical processes that are repeated in a correlation process;
> means for storing at least that portion of the mathematical processes that
> are not repeated in the correlation process in a table, wherein at least a portion of
> the mathematical processes that are repeated in the correlation process are not
> stored in the table;
> means for using the table during the correlation process to determine when
> a locally generated pseudorandom code and the incoming pseudorandom code are
> correlated.

In which, the terms incoming spread spectrum signal is described in the application, examples of

mathematical processes are given as an XOR function. Further, On page 7 of the specification,

CDMA systems is recited. CDMA systems were well known in the art at the time of filing this

application to included transmitters, receivers, and signal processors that correlate signals with

PN codes. On page 9 of the specification, Applicant even mentions "correlation used in the

related art." Therefore, sufficient disclosure exists to support claims 9-16.

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With regards to claims 9, the Examiner asserts that "there is no corresponding structure to support the means language. An example of structure that is found in the specification includes a matrix structure. An example of the means for storing includes a table or lookup table that is referenced when correlating the signals. Thus, examples of structures are shown by the applicant.

Applicant respectfully submits that claims 1 and 9-16 as presented are in condition for allowance.
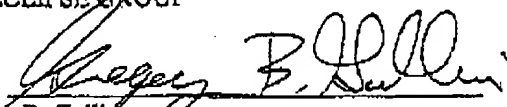
CONCLUSION

In light of the above remarks and amendment, it is respectfully submitted that the present application is now in proper condition for allowance, which such action is earnestly solicited.

Respectfully submitted,

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